



ENTERED OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/782,816A

DATE: 02/28/2002

TIME: 11:28:33

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

RECEIVED

APR 11 2002

TECH CENTER 1600/2900

4 <110> APPLICANT: Sharp, David J.
 5 Rogers, Gregory C.
 6 Scholey, Jonathon M.
 8 <120> TITLE OF INVENTION: PEPTIDE INHIBITORS OF CELLULAR
 9 PROLIFERATION
 11 <130> FILE REFERENCE: UC069.001A
 13 <140> CURRENT APPLICATION NUMBER: 09/782,816A
 14 <141> CURRENT FILING DATE: 2001-02-14
 16 <160> NUMBER OF SEQ ID NOS: 56
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 23
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Unknown
 25 <220> FEATURE:
 26 <221> NAME/KEY: UNSURE
 27 <222> LOCATION: 22
 28 <223> OTHER INFORMATION: Xaa = Val or Leu
 30 <223> OTHER INFORMATION: The sequence is a Homo sapiens sequence when Xaa
 31 represents Leu and a Mus musculus sequence when
 32 Xaa represents Val.
 34 <400> SEQUENCE: 1
 35 Glu Val Glu Lys Ile Lys Thr Thr Val Lys Glu Ser Ala Thr Glu Glu
 36 1 5 10 15
 W--> 37 Lys Leu Thr Pro Val Xaa Leu
 38 20
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 22
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Drosophila melanogaster
 46 <400> SEQUENCE: 2
 47 Glu Val Ala Ala Leu Gln Val Asp Arg Lys Val Ala Asp Glu Glu Lys
 48 1 5 10 15
 49 Gln Ser Tyr Asp Ala Val
 50 20
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 22
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Unknown
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
 60 musculus.
 62 <400> SEQUENCE: 3

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/782,816A

TIME: 11:28:33

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

```

63 Gly Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu
64 1 5 10 15
65 Val Gln Glu Leu Thr Thr
66 20
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 21
71 <212> TYPE: PRT
72 <213> ORGANISM: Unknown
74 <220> FEATURE:
75 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
76 musculus.
78 <400> SEQUENCE: 4
79 Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val
80 1 5 10 15
81 Gln Glu Leu Thr Thr
82 20
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 20
87 <212> TYPE: PRT
88 <213> ORGANISM: Unknown
90 <220> FEATURE:
91 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
92 musculus.
94 <400> SEQUENCE: 5
95 Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln
96 1 5 10 15
97 Glu Leu Thr Thr
98 20
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 19
103 <212> TYPE: PRT
104 <213> ORGANISM: Unknown
106 <220> FEATURE:
107 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
108 musculus.
110 <400> SEQUENCE: 6
111 Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu
112 1 5 10 15
113 Leu Thr Thr
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 18
119 <212> TYPE: PRT
120 <213> ORGANISM: Unknown
122 <220> FEATURE:
123 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
124 musculus.
126 <400> SEQUENCE: 7
127 Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu
128 1 5 10 15

```

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/782,816A

TIME: 11:28:33

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

```

129 Thr Thr
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 17
135 <212> TYPE: PRT
136 <213> ORGANISM: Unknown
138 <220> FEATURE:
139 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
140      musculus.
142 <400> SEQUENCE: 8
143 Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr
144 1          5          10          15
145 Thr
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 16
151 <212> TYPE: PRT
152 <213> ORGANISM: Unknown
154 <220> FEATURE:
155 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
156      musculus.
158 <400> SEQUENCE: 9
159 Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
160 1          5          10          15
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 15
165 <212> TYPE: PRT
166 <213> ORGANISM: Unknown
168 <220> FEATURE:
169 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
170      musculus.
172 <400> SEQUENCE: 10
173 Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
174 1          5          10          15
177 <210> SEQ ID NO: 11
178 <211> LENGTH: 14
179 <212> TYPE: PRT
180 <213> ORGANISM: Unknown
182 <220> FEATURE:
183 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
184      musculus.
186 <400> SEQUENCE: 11
187 Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
188 1          5          10
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 13
193 <212> TYPE: PRT
194 <213> ORGANISM: Unknown
196 <220> FEATURE:
197 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
198      musculus.

```

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/782,816A

TIME: 11:28:33

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

200 <400> SEQUENCE: 12
201 Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
202 1 5 10
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 12
207 <212> TYPE: PRT
208 <213> ORGANISM: Unknown
210 <220> FEATURE:
211 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
212 musculus.
214 <400> SEQUENCE: 13
215 Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
216 1 5 10
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 11
221 <212> TYPE: PRT
222 <213> ORGANISM: Unknown
224 <220> FEATURE:
225 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
226 musculus.
228 <400> SEQUENCE: 14
229 Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
230 1 5 10
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 10
235 <212> TYPE: PRT
236 <213> ORGANISM: Unknown
238 <220> FEATURE:
239 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
240 musculus.
242 <400> SEQUENCE: 15
243 Leu Leu His Glu Val Gln Glu Leu Thr Thr
244 1 5 10
247 <210> SEQ ID NO: 16
248 <211> LENGTH: 9
249 <212> TYPE: PRT
250 <213> ORGANISM: Unknown
252 <220> FEATURE:
253 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
254 musculus.
256 <400> SEQUENCE: 16
257 Leu His Glu Val Gln Glu Leu Thr Thr
258 1 5
261 <210> SEQ ID NO: 17
262 <211> LENGTH: 8
263 <212> TYPE: PRT
264 <213> ORGANISM: Unknown
266 <220> FEATURE:
267 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/782,816A

TIME: 11:28:33

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

```

268      musculus.
270 <400> SEQUENCE: 17
271 His Glu Val Gln Glu Leu Thr Thr
272 1      5
275 <210> SEQ ID NO: 18
276 <211> LENGTH: 7
277 <212> TYPE: PRT
278 <213> ORGANISM: Unknown
280 <220> FEATURE:
281 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
282      musculus.
284 <400> SEQUENCE: 18
285 Glu Val Gln Glu Leu Thr Thr
286 1      5
289 <210> SEQ ID NO: 19
290 <211> LENGTH: 6
291 <212> TYPE: PRT
292 <213> ORGANISM: Unknown
294 <220> FEATURE:
295 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
296      musculus.
298 <400> SEQUENCE: 19
299 Val Gln Glu Leu Thr Thr
300 1      5
303 <210> SEQ ID NO: 20
304 <211> LENGTH: 5
305 <212> TYPE: PRT
306 <213> ORGANISM: Unknown
308 <220> FEATURE:
309 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
310      musculus.
312 <400> SEQUENCE: 20
313 Gln Glu Leu Thr Thr
314 1      5
317 <210> SEQ ID NO: 21
318 <211> LENGTH: 4
319 <212> TYPE: PRT
320 <213> ORGANISM: Unknown
322 <220> FEATURE:
323 <223> OTHER INFORMATION: A sequence conserved among Homo sapiens and Mus
324      musculus.
326 <400> SEQUENCE: 21
327 Glu Leu Thr Thr
328 1
331 <210> SEQ ID NO: 22
332 <211> LENGTH: 7
333 <212> TYPE: PRT
334 <213> ORGANISM: Unknown
336 <220> FEATURE:

```

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/782,816A

DATE: 02/28/2002

TIME: 11:28:34

Input Set : A:\UC069.001A.txt

Output Set: N:\CRF3\02282002\I782816A.raw

L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51